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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/755,333	01/05/2001	Eric Lukac-Kuruc	COL201	5075
9629	7590	04/02/2004	EXAMINER	
MORGAN LEWIS & BOCKIUS LLP 1111 PENNSYLVANIA AVENUE NW WASHINGTON, DC 20004			CHANG, EDITH M	
			ART UNIT	PAPER NUMBER
			2634	4

DATE MAILED: 04/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/755,333

Applicant(s)

LUKAC-KURUC ET AL.

Examiner

Edith M Chang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 January 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3,4,7,8 and 10 is/are rejected.
- 7) ☒ Claim(s) 2,5,6,9 and 11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Europe on November 17 2000. It is noted, however, that applicant has not filed a certified copy of the 00870275.5 application as required by 35 U.S.C. 119(b).

Specification

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited.

Rewrite the abstract within the range of 50 to 150 words in a single paragraph.

Claim Objections

3. Claims 1-11 are objected to because of the following informalities:

Claims 1 & 10, the term "UART" should be spelled out when it is cited in the claim first time.

Claim 2, the term "the start and stop bits" should be "a start and a stop bits".

Claims 6 & 11, the term "MIDI" should be spelled out when it is cited in the claim first time.

Claim 8, "A process according to any of the claims 1" should be "A process according to the claim 1".

Claim 9, line 2, "the first being restarted" should be "the first timer being restarted"; in line 3, "the second being used" should be "the second timer being used".

Appropriate corrections are required.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1, 3-4, 7-8 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shinji et al. (JP 10126818) in view of Kim (US 5754635).

Regarding **claims 1 & 10**, except explicitly specify the UART port, Shinji et al. discloses an arrangement and its process for transmission between at least two devices, comprising: means for connection a first device to a second device through an electrical support ([0001] wherein the digital switching machine is connecting two device through an electrical support); means for causing a flow of information between the two devices as elements succeeding each other in time sequence ([0002], FIG.3); each device comprising an emitter section and a receiver section compatible with the state of the art of the first communication standard ([0007] & FIG.1, the convention signal with longer bit period is the first communication standard, the digital switch and the device communicates with the digital switch have the transmitter and receiver section) that generates a serial message coded by means of a time sequence of binary transitions called bits; means for coding information both in the first communication standard and in a second enlarged communication standard ([0019], FIG.1 (b) & FIG.2 (b) the circuitry for the second enlarged communication standard) wherein the second enlarged communication standard having

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the "reduced bits" with shorter time length (as shown in FIG.1 (a) & FIG.2 (a)), in order to insert additional bits whose half duration falls at the moment in time where the transitions between unchanged bits occurred when no additional bits are inserted; keeping the total duration of the message containing the additional bits identical to the total length of the unchanged message (FIG.1 & FIG.2 in one frame CH1); keeping the half duration point of all reduced data bits to the same place as they were in the unchanged message (FIG.2). However Kim teaches the Universal Asynchronous Receiver and Transmitter (UART) in the digital switch (24 Fig.2), as Shinji et al.'s method used in the interface connection of the digital time division switch, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to have the UART port in the Shinji et al.'s switching system to provide an improved telecommunications process and network, and advanced service such as the caller identification feature in the switching system (Abstract, column 2 lines 25-35). The modified/combined system obtains the invention as specified in claim 1 and claim 10.

Regarding **claim 3**, the modified/combined system provides the cable between the switch and the device of subscriber/central office (Fig.3 Subscriber/Central Office Line '635).

Regarding **claim 4**, Shinji et al. discloses the time sequence of binary transitions is implemented as a possible presence of a current flowing through the electrical support and having an OFF state and an On state materialized with, respectively, an absence and a presence of a current through the electrical support (The digital switching provides the binary transition as cited in the claim).

Regarding **claim 7**, Shinji et al. discloses the signal is triple sampled to retrieve the content of the message (FIG.1 [0012] & FIG.2 [0015], the period is chosen as designed

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explanation, the signal is triple sampled to retrieve the content when the length of shorten bits inserted in is one third of the origin).

Regarding **claim 8**, Shinji et al. discloses the content of the message is retrieved by comparing the changes in the signal against timing references (FIG.3 the digital switch provides clocks to sample data).

Allowable Subject Matter

6. Claims 2, 5-6, 9, and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims; and overcome the objections stated in the paragraph 1.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edith M Chang whose telephone number is 703-305-3416. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 703-305-4714. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edith Chang
March 23, 2004



CHIEH M. FAN
PRIMARY EXAMINER